Please add claims 2 – 61 as follows:

2 ~~3.~~ The drip chamber of claim ~~2~~ 1 wherein the pore size of the filter is about 3 μm.

N.E. Sub B2 3 ~~4.~~ The drip chamber of claim 1 wherein the vent has a surface area ranging from about 0.8 cm^2 to about 5.0 cm^2.

Sub C2 4 ~~5.~~ A drip chamber in a cerebral spinal fluid (CSF) drainage system comprising:

a volume reservoir having an outer surface; and,

a vent in fluid communication with the reservoir, the vent having a filter made of a porous material wherein the pore size of the filter ranges from greater than .45 μm to about 5.0 μm.

A2

Sub B3 5 ~~6.~~ The drip chamber of claim 5 wherein the porous material is expanded polytetraflouroethylene (ePTFE).

6 ~~7.~~ The drip chamber of claim 5 wherein the porous material is a hydrophobic material.

7 ~~8.~~ The drip chamber of claim 5 wherein the pore size of the filter is about 3 μm.

Note, Claims renumber no claim 2

8

~~9.~~ The drip chamber of claim 5 wherein the vent has a surface area ranging from about 0.8 cm^2 to about 5.0 cm^2.

9

~~10.~~ The drip chamber of claim 5 wherein the filter is flush with the outer surface of the volume reservoir.

10

~~11.~~ The drip chamber of claim 10 wherein the vent is integral with the outer surface of the volume reservoir.

11

~~12.~~ The drip chamber of claim 5 wherein the volume reservoir is rigid.

12

~~13.~~ The drip chamber of claim 5 wherein the volume reservoir is flexible.

13

~~14.~~ A drip chamber in a cerebral spinal fluid (CSF) drainage system comprising:

a volume reservoir having an outer surface; and,

a vent in fluid communication with the reservoir, the vent having a filter made of a porous material, the filter being flush with the outer surface of the volume reservoir.

14

~~15.~~ The drip chamber of claim 14 wherein the vent is integral with the outer surface of the volume reservoir.

15 ~~16.~~ The drip chamber of claim 14 wherein the porous material is expanded polytetraflouroethylene (ePTFE).

16 ~~17.~~ The drip chamber of claim 14 wherein the porous material is a hydrophobic material.

17 ~~18.~~ The drip chamber of claim 14 wherein the pore size of the filter ranges from about .22 μm to about 5.0 μm.

18 ~~19.~~ The drip chamber of claim 18 wherein the pore size of the filter ranges from greater than .45 μm to about 5.0 μm.

A2

19 ~~20.~~ The drip chamber of claim 18 wherein the pore size of the filter is about 3 μm.

20 ~~21.~~ The drip chamber of claim 14 wherein the vent has a surface area ranging from about 0.8 cm^2 to about 5.0 cm^2.

21 ~~22.~~ The drip chamber of claim 14 wherein the volume reservoir is rigid.

22 ~~23.~~ The drip chamber of claim 14 wherein the volume reservoir is flexible.

Sub C3

23 ~~24.~~ A drip chamber system for draining cerebral spinal fluid (CSF) from a brain comprising:

Sub C3

a drip chamber comprising:

a fluid reservoir,

an outlet manifold in fluid communication with the fluid reservoir, the outlet manifold having an outlet,

an inlet manifold in fluid communication with the fluid reservoir, the inlet manifold having an inlet and an outer surface, the inlet manifold having a vent, the inlet manifold having an inside surface, the vent having a filter made of a porous material wherein the pore size of the filter ranges from greater than .45 μm to about 5.0 μm;

a drainage bag; and

a stopcock connecting the drip chamber to drainage bag through the outlet.

A2

24 ~~25~~. The drip chamber of claim 24 wherein the pore size of the filter is about 3 μm.

25 ~~26~~. The drip chamber of claim 24 wherein the filter is made of expanded polytetraflouroethylene (ePTFE).

26 ~~27~~. The drip chamber of claim 24 wherein the porous material is a hydrophobic material.

27 ~~28~~. The drip chamber of claim 24 wherein the vent has a surface area ranging from about 0.8 cm^2 to about 5.0 cm^2.

Sub C3

~~29~~ 28. The drip chamber of claim 24 wherein the filter is flush with the outer surface of the inlet manifold.

~~30~~ 29. The drip chamber of claim 29 wherein the vent is integral with the outer surface of the fluid reservoir.

~~31~~ 30. The drip chamber of claim 24 wherein the vent is integral with the outer surface of the fluid reservoir.

A2

~~32~~ 31. The drip chamber system of claim 24 wherein the drip chamber is made of a rigid tube.

~~33~~ 32. The drip chamber system of claim 32 wherein the rigid tube of the drip chamber is generally cylindrical.

Sub D1

~~34~~ 33. The drip chamber system of claim 24 wherein filter is formed in the inlet manifold by creating a hole in the inlet manifold and covering the hole with a porous material.

~~35~~ 34. The drip chamber system of claim 34 wherein the porous material is a hydrophobic material.

35

~~36~~. The drip chamber system of claim 34 wherein the porous material is expanded polytetraflouroethylene (ePTFE).

36

~~37~~. The drip chamber system of claim 34 wherein the pore size for the porous material ranges from for about 0.22 μm to about 5.0 μm.

37

~~38~~. The drip chamber system of claim 37 wherein the pore size of the porous material ranges from greater than .45 μm to about 5.0 μm.

38

~~39~~. The drip chamber system of claim 37 wherein the pore size of the porous material is about 3 μm.

39

~~40~~. The drip chamber system of claim 24 wherein the porous material is adhered to the inside surface of the inlet manifold.

40

~~41~~. The drip chamber system of claim 40 wherein the porous material is adhered to the inside surface of the inlet manifold by a technique chosen from the group consisting of biocompatible adhesive, heat staking, ultrasonic welding or radio frequency (RF) welding.

41.

~~42~~. A drip chamber system for draining cerebral spinal fluid (CSF) from a brain comprising:

a drip chamber comprising:

a fluid reservoir,

an outlet manifold in fluid communication with the fluid reservoir, the outlet manifold having an outlet,

an inlet manifold in fluid communication with the fluid reservoir, the inlet manifold having an inlet and an outer surface, the inlet manifold having a vent, the inlet manifold having an inside surface, the vent having a filter made of a porous material wherein the pore size of the filter ranges from about .22 μm to about 5.0 μm;

a drainage bag; and

a stopcock connecting the drip chamber to drainage bag through the outlet.

42 ~~43.~~ The drip chamber of claim 42 wherein the pore size of the filter is about 3 μm.

43 ~~44.~~ The drip chamber of claim 42 wherein the filter is made of expanded polytetraflouroethylene (ePTFE).

44 ~~45.~~ The drip chamber of claim 42 wherein the porous material is a hydrophobic material.

45 ~~46.~~ The drip chamber of claim 42 wherein the vent has a surface area ranging from about 0.8 cm^2 to about 5.0 cm^2.

Sub C4

46 ~~47~~. The drip chamber of claim 42 wherein the filter is flush with the outer surface of the inlet manifold.

47 ~~50~~. The drip chamber of claim 47 wherein the vent is integral with the outer surface of the fluid reservoir.

48 ~~51~~. The drip chamber of claim 42 wherein the vent is integral with the outer surface of the fluid reservoir.

Sub D1 A2

49 ~~52~~. The drip chamber system of claim 42 wherein the drip chamber is made of a rigid tube.

50 ~~53~~. The drip chamber system of claim 52 wherein the rigid tube of the drip chamber is generally cylindrical.

51 ~~54~~. The drip chamber system of claim 54 wherein filter is formed in the inlet manifold by creating a hole in the inlet manifold and covering the hole with a porous material.

52 ~~55~~. The drip chamber system of claim 54 wherein the porous material is a hydrophobic material.

~~56~~ 53. The drip chamber system of claim 54 wherein the porous material is expanded polytetraflouroethylene (ePTFE).

~~57~~ 54. The drip chamber system of claim 54 wherein the pore size for the porous material ranges from for about 0.22 μm to about 5.0 μm.

~~58~~ 55. The drip chamber system of claim 57 wherein the pore size of the porous material ranges from greater than .45 μm to about 5.0 μm.

~~59~~ 56. The drip chamber system of claim 57 wherein the pore size of the porous material is about 3 μm.

~~60~~ 57. The drip chamber system of claim 42 wherein the porous material is adhered to the inside surface of the inlet manifold.

~~61~~ 58. The drip chamber system of claim 60 wherein the porous material is adhered to the inside surface of the inlet manifold by a technique chosen from the group consisting of biocompatible adhesive, heat staking, ultrasonic welding or radio frequency (RF) welding.

REMARKS